

CUSTOMER NO.: 24498

Serial No. 09/898,150

Response to Final Office Action dated 11/07/06

Response dated: 1/16/07

**PATENT
PD000032**

Amendments to the Claims

Please cancel claims 26, 36 and 40 without prejudice.

Please amend claims 22, 31 and 38 as follows:

1-21 (Cancelled)

22. (Currently Amended) A method for reducing an initialization time of an apparatus for reading from and/or writing to an optical recording medium, said optical recording medium having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same type, the method comprising:

detecting the identification data of an optical recording medium inserted into said apparatus to identify said optical recording medium;

determining if adjustment values associated with tracking or focus control for reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting tracking or focus control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the tracking or focus control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

wherein the content of a BCA data area on the recording medium is used as the identification data;

wherein the step of detecting the identification data comprises coarsely focusing an objective lens of the apparatus and displacing an optical scanner of the apparatus into a position which is predetermined for the BCA data area; and

wherein the identification data is detected without track regulation.

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23. (Previously Presented) The method of claim 22, wherein the adjustment values for said apparatus are stored in a storage means of said apparatus.

24. (Previously Presented) The method of claim 23, wherein said storage means comprises a non-volatile memory.

25. (Previously Presented) The method of claim 22, wherein the adjustment values for said apparatus are stored in an external storage means accessible by said apparatus.

26. (Cancelled)

27. (Previously Presented) The method of claim 22, wherein the identification data of the optical recording media comprises first data identifying said optical recording medium as one of a plurality of recording types and second data specific to only the respective optical recording medium.

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Currently Amended) An apparatus for reading from and/or writing to an optical recording medium and having a reduced initialization time, said optical recording medium having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same type, the apparatus comprising:

a detection means for detecting the identification data of an optical recording medium inserted into said apparatus for identifying said optical recording medium;

a control means adapted to perform the steps of:

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determining if adjustment values associated with tracking or focus control during reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting tracking or focus control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

wherein the content of a BCA data area on the recording medium is used as the identification data; and

wherein said detection means is adapted to coarsely focus an objective lens of the apparatus, to displace an optical scanner of the apparatus into a position which is predetermined for the BCA data area, and to detect the identification data without track regulation.

32. (Previously Presented) The apparatus of claim 31, wherein said detection means comprises at least one of a read and a read/write means.

33. (Previously Presented) The apparatus of claim 31, further comprising a storage means for storing at least said determined adjustment values for said apparatus.

34. (Previously Presented) The apparatus of claim 33, wherein said storage means comprises a non-volatile memory.

35. (Previously Presented) The apparatus of claim 33, wherein said storage means comprises at least one of a non-volatile memory of the apparatus and a non-volatile data carrier provided externally to the apparatus.

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36. (Cancelled)

37. (Previously Presented) The apparatus of claim 31, wherein the optical recording media comprise DVD-ROM discs.

38. (Currently Amended) A method for achieving read or write readiness on an optical disc medium, said method comprising the steps of:

a) detecting on said disc medium content of a BCA data area as identification data specific only to said disc medium;

b) determining the presence or absence of stored adjustment values associated with tracking or focus control during reading from and writing to said optical disc medium associated with said identification data specific only to said disc medium;

c) when stored adjustment values are present, using said stored adjustment values for reading from and writing to said optical disc medium; and

d) when stored adjustment values are absent, determining optimal adjustment values for tracking or focus during reading from and writing to said optical disc medium;

wherein the step of detecting the identification data comprises coarsely focusing an objective lens of the apparatus and displacing an optical scanner of the apparatus into a position which is predetermined for the BCA data area; and
wherein the identification data is detected without track regulation.

39. (Cancelled)

40. (Cancelled)